

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/05860

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	H01L27/02	H01L29/70	H01L29/73	H01L29/735	H01L29/423
	H01L29/06	H01L29/10	H01L29/08	H01L27/07	

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 157 561 A (IWASAWA SHIGEO ET AL) 5 June 1979 (1979-06-05) column 4, line 6 - column 5, line 8; figures 2a,2b column 6, line 26 - line 39; figures 5a,5b -----	1-4
X	PATENT ABSTRACTS OF JAPAN vol. 0020, no. 90 (E-045), 22 July 1978 (1978-07-22) -& JP 53 054977 A (HITACHI LTD), 18 May 1978 (1978-05-18) abstract figures 1,2,4,5 -----	1-4
A	DE 30 35 462 A (SIEMENS AG) 13 May 1982 (1982-05-13) cited in the application the whole document -----	1-4

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

### ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

26 July 2004

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02/08/2004

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			JP	53053979 A		16-05-1978
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JP 53054977	A	18-05-1978	NONE			
DE 3035462	A	13-05-1982	DE	3035462 A1		13-05-1982
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